Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A gas regulator intended to be mounted on a gas supply pipe connecting a gas source to a user device, and comprising a pressure regulation mechanism controlled by the movement of a mobile element, ~~characterized in that it comprises~~ said mechanism comprising:

~~a casing~~ - a casing containing at least one adjustable prestressed actuator acting on the mobile element and used to take account of the variation of the altimetric ~~pressure.~~pressure, and

- a variable volume heat-sensitive element acting on said mobile element via actuation means, wherein said actuation means comprise another prestressed actuator.

2. (Currently Amended) The regulator as claimed in claim 1, ~~characterized in that~~ wherein the adjustable prestressed actuator ~~is made with the aid of~~comprises - a first spring having, on the one hand, a first end resting against the mobile element, and, on the other hand, a second end resting against a member adjustable from the outside.

3. (Currently Amended) The regulator as claimed in claim 2, ~~characterized in that~~ wherein the adjustable member ~~is made with the aid of~~ comprises an altimetric adjustable ring having a side wall resting on the second end of the first spring.

4. (Currently Amended) The regulator as claimed in claim 2, ~~characterized in that~~ wherein a knurled cover covers the adjustable member.

5. (Currently Amended) The regulator as claimed in claim 4, ~~characterized in that~~ wherein the knurled cover has an at least partially threaded inner face capable of interacting with a threaded portion of the side wall of the casing.

6. (Currently Amended) The regulator as claimed in claim 4, ~~characterized in that~~ wherein the side wall of the casing is provided with a scale used to position the knurled cover appropriately according to the altitude.

7-8. (Canceled)

9. (Currently Amended) The regulator as claimed in ~~claim 8, characterized in that the~~ claim 18, wherein said heat-sensitive member comprises a deformable inner wall.

10. (Canceled)

11. (Currently Amended) The regulator as claimed in claim 9, ~~characterized in that the actuator is made with the aid of a pushrod resting on an intermediate spring,~~ wherein said another prestressed actuator comprises a pushrod resting on said spring, said pushrod being inserted into ~~the~~ said heat-sensitive member so as to come into contact with the deformable inner wall of the latter.

12. (Currently Amended) The regulator as claimed in claim 1, ~~characterized in that~~ wherein a relief system is arranged at the mobile element.

13. (Currently Amended) The regulator as claimed in claim 12, ~~characterized in that~~ wherein the mobile element is made in the form of a membrane, and in that the relief system comprises, on the one hand, an end-piece attached to the pressure regulation mechanism, and, on the other hand, a rod passing through the membrane, a central spring being positioned around the rod in order to have a first end resting on the membrane and a second end fixedly attached to the rod.

14. (Currently Amended) The regulator as claimed in claim 12, ~~characterized in that~~wherein the side wall of the casing comprises at least one orifice for releasing the flow of gas having passed through the relief system.

15. (Currently Amended) The regulator as claimed in claim 1, ~~characterized in that~~ wherein a friction ring is placed in the casing and has, on the one hand, a base slid

between the mobile element and the springs, and, on the other hand, a toothed side wall in contact with the inner face of the side wall of the casing.

16. (Currently Amended) The regulator as claimed in claim 1, ~~characterized in that it comprises~~ comprising a flow limiter system which is triggered for any flow greater than at least 20% of the nominal flow.

17. (Currently Amended) The regulator as claimed in claim 16, ~~characterized in that~~wherein the flow limiter system comprises a manual resetting member capable of acting on a blanking element.

18. (New) The regulator as claimed in claim 1, wherein said another prestressed actuator comprises a second spring.